

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,636A

DATE: 09/06/1999  
TIME: 16:55:02

PAGE: 1

Input Set: H978636A.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Rabbani, Elazar  
2 Stavrianopoulos, Jannis G.  
3 Donegan, James J.  
4 Liu, Dakai  
5 Kelker, Norman E.  
6 Engelhardt, Dean L.  
7 <120> TITLE OF INVENTION: NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING  
8 COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE  
9 <130> FILE REFERENCE: ENZ-53(D3).SEQUENCE.080599  
10 <140> CURRENT APPLICATION NUMBER: US/08/978,636A  
11 <141> CURRENT FILING DATE: 1997-11-25  
12 <150> EARLIER APPLICATION NUMBER: 08/574,443  
13 <151> EARLIER FILING DATE: 1995-12-15  
14 <160> NUMBER OF SEQ ID NOS: 51  
15 <170> SOFTWARE: PatentIn Ver. 2.0  
16 <210> SEQ ID NO 1  
17 <211> LENGTH: 20  
18 <212> TYPE: PRT  
19 <213> ORGANISM: Influenza virus  
20 <220> FEATURE:  
21 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
22 <400> SEQUENCE: 1  
23 Gly Phe Phe Gly Ala Ile Ala Gly Phe Leu Glu Gly Gly Trp Glu Gly  
24 1 5 10 15  
25 Met Ile Ala Gly  
26 20  
27 <210> SEQ ID NO 2  
28 <211> LENGTH: 20  
29 <212> TYPE: DNA  
30 <213> ORGANISM: Bacteriophage T7  
31 <220> FEATURE:  
32 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
33 <400> SEQUENCE: 2 20  
34 tgctctcttaa gggctctactc  
35 <210> SEQ ID NO 3  
36 <211> LENGTH: 15  
37 <212> TYPE: DNA  
38 <213> ORGANISM: Simian virus 40  
39 <220> FEATURE:  
40 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
41 <400> SEQUENCE: 3 15  
42 ctctaaggta aatat  
43 <210> SEQ ID NO 4  
44 <211> LENGTH: 16

PAGE: 2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,636ADATE: 09/06/1999  
TIME: 16:55:02

Input Set: H978636A.RAW

45 <212> TYPE: DNA  
46 <213> ORGANISM: Simian virus 40  
47 <220> FEATURE:  
48 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
49 <400> SEQUENCE: 4 16  
50 tgtatttttag attcaa  
51 <210> SEQ ID NO 5  
52 <211> LENGTH: 19  
53 <212> TYPE: DNA  
54 <213> ORGANISM: Simian virus 40  
55 <220> FEATURE:  
56 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
57 <400> SEQUENCE: 5 19  
58 tgctctctaa ggtaaatat  
59 <210> SEQ ID NO 6  
60 <211> LENGTH: 19  
61 <212> TYPE: DNA  
62 <213> ORGANISM: Simian virus 40  
63 <220> FEATURE:  
64 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
65 <400> SEQUENCE: 6 19  
66 tgtatttttag ggtctactc  
67 <210> SEQ ID NO 7  
68 <211> LENGTH: 19  
69 <212> TYPE: RNA  
70 <213> ORGANISM: Bacteriophage T7  
71 <220> FEATURE:  
72 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
73 <400> SEQUENCE: 7 19  
74 ugcucucuaa gguaauau  
75 <210> SEQ ID NO 8  
76 <211> LENGTH: 19  
77 <212> TYPE: RNA  
78 <213> ORGANISM: Bacteriophage T7  
79 <220> FEATURE:  
80 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
81 <400> SEQUENCE: 8 19  
82 uguauuuuag ggucuacuc  
83 <210> SEQ ID NO 9  
84 <211> LENGTH: 20  
85 <212> TYPE: RNA  
86 <213> ORGANISM: Bacteriophage T7  
87 <220> FEATURE:  
88 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
89 <400> SEQUENCE: 9 20  
90 ugcucucuaa gggucuacuc  
91 <210> SEQ ID NO 10  
92 <211> LENGTH: 49  
93 <212> TYPE: DNA  
94 <213> ORGANISM: Bacteriophage T7

PAGE: 3

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,636ADATE: 09/06/1999  
TIME: 16:55:02

Input Set: H978636A.RAW

95 <220> FEATURE:  
96 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
97 <400> SEQUENCE: 10 49  
98 ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgc  
99 <210> SEQ ID NO 11  
100 <211> LENGTH: 55  
101 <212> TYPE: DNA  
102 <213> ORGANISM: Bacteriophage T7  
103 <220> FEATURE:  
104 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
105 <400> SEQUENCE: 11 55  
106 gactagttgg tctcgtctct tttttggagg agtgtcggtc ttagcgatgt taatc  
107 <210> SEQ ID NO 12  
108 <211> LENGTH: 46  
109 <212> TYPE: DNA  
110 <213> ORGANISM: Bacteriophage T7  
111 <220> FEATURE:  
112 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
113 <400> SEQUENCE: 12 46  
114 ggaattcgtc tcggagaaag gtaaaattct ctgacatcga actggc  
115 <210> SEQ ID NO 13  
116 <211> LENGTH: 33  
117 <212> TYPE: DNA  
118 <213> ORGANISM: Bacteriophage T7  
119 <220> FEATURE:  
120 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
121 <400> SEQUENCE: 13 33  
122 gactagtggg ctccccttag agagcatgtc agc  
123 <210> SEQ ID NO 14  
124 <211> LENGTH: 33  
125 <212> TYPE: DNA  
126 <213> ORGANISM: Bacteriophage T7  
127 <220> FEATURE:  
128 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
129 <400> SEQUENCE: 14 33  
130 ggaattcggg ctcggtgcta ctcggtggcg agg  
131 <210> SEQ ID NO 15  
132 <211> LENGTH: 27  
133 <212> TYPE: DNA  
134 <213> ORGANISM: Bacteriophage T7  
135 <220> FEATURE:  
136 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
137 <400> SEQUENCE: 15 27  
138 gactagtcgt tacgcgaacg caaagtc  
139 <210> SEQ ID NO 16  
140 <211> LENGTH: 36  
141 <212> TYPE: DNA  
142 <213> ORGANISM: Bacteriophage T7  
143 <220> FEATURE:  
144 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide

PAGE: 4

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,636ADATE: 09/06/1999  
TIME: 16:55:02

Input Set: H978636A.RAW

145 <400> SEQUENCE: 16 36  
146 ggaattcgtc tctaaggtaa atataaaatt tttaag  
147 <210> SEQ ID NO 17  
148 <211> LENGTH: 40  
149 <212> TYPE: DNA  
150 <213> ORGANISM: Bacteriophage T7  
151 <220> FEATURE:  
152 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
153 <400> SEQUENCE: 17 40  
154 gactagtcgt ctctgaccct aaaatacaca aacaattaga  
155 <210> SEQ ID NO 18  
156 <211> LENGTH: 92  
157 <212> TYPE: DNA  
158 <213> ORGANISM: Bacteriophage T7  
159 <220> FEATURE:  
160 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
161 <400> SEQUENCE: 18 60  
162 ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 92  
163 ctctctccaaa aaagagacga gaccaactag tc  
164 <210> SEQ ID NO 19  
165 <211> LENGTH: 92  
166 <212> TYPE: DNA  
167 <213> ORGANISM: Bacteriophage T7  
168 <400> SEQUENCE: 19 60  
169 gactagttgg gctcgtctct tttttggagg aggggcgctt ttagcgatgt taatcgtgtc 92  
170 catggtggta tgcagagctc gagacgaatt cc  
171 <210> SEQ ID NO 20  
172 <211> LENGTH: 73  
173 <212> TYPE: DNA  
174 <213> ORGANISM: Artificial Sequence  
175 <220> FEATURE:  
176 <223> OTHER INFORMATION: Description of Artificial Sequence:OLIGO  
177 <400> SEQUENCE: 20 60  
178 ggaattcgtc gcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 73  
179 ctctctccaaa aaa  
180 <210> SEQ ID NO 21  
181 <211> LENGTH: 77  
182 <212> TYPE: DNA  
183 <213> ORGANISM: Bacteriophage T7  
184 <220> FEATURE:  
185 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide  
186 <400> SEQUENCE: 21 60  
187 tctctttttt ggaggagtgt cgttcttagc gatgttaatc gtgtccatgg tggtatgcag 77  
188 agctcgagac gaattcc  
189 <210> SEQ ID NO 22  
190 <211> LENGTH: 13  
191 <212> TYPE: DNA  
192 <213> ORGANISM: Artificial Sequence  
193 <220> FEATURE:  
194 <223> OTHER INFORMATION: Description of Artificial SequenceOLIGO

PAGE: 5

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,636ADATE: 09/06/1999  
TIME: 16:55:02

Input Set: H978636A.RAW

195 <400> SEQUENCE: 22 13  
196 ggaattcgtc tcg  
197 <210> SEQ ID NO 23  
198 <211> LENGTH: 33  
199 <212> TYPE: DNA  
200 <213> ORGANISM: Artificial Sequence  
201 <220> FEATURE:  
202 <223> OTHER INFORMATION: Description of Artificial Sequence:OLIGO  
203 <400> SEQUENCE: 23 33  
204 gagaaaggta aaattctctg acatcgaact ggc  
205 <210> SEQ ID NO 24  
206 <211> LENGTH: 17  
207 <212> TYPE: DNA  
208 <213> ORGANISM: Artificial Sequence  
209 <220> FEATURE:  
210 <223> OTHER INFORMATION: Description of Artificial Sequence:OLIGO  
211 <400> SEQUENCE: 24 17  
212 ccttaagcag agcctct  
213 <210> SEQ ID NO 25  
214 <211> LENGTH: 29  
215 <212> TYPE: DNA  
216 <213> ORGANISM: Artificial Sequence  
217 <220> FEATURE:  
218 <223> OTHER INFORMATION: Description of Artificial Sequence: OLIGO  
219 <400> SEQUENCE: 25 29  
220 ttccatttta agagactgta gcttgaccg  
221 <210> SEQ ID NO 26  
222 <211> LENGTH: 106  
223 <212> TYPE: DNA  
224 <213> ORGANISM: Artificial Sequence  
225 <220> FEATURE:  
226 <223> OTHER INFORMATION: Description of Artificial Sequence:OLGIO  
227 <400> SEQUENCE: 26 60  
228 ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 106  
229 ctcttccaaa aaagagaaaag gtaaaattct ctgacatcga actggc  
230 <210> SEQ ID NO 27  
231 <211> LENGTH: 106  
232 <212> TYPE: DNA  
233 <213> ORGANISM: Artificial Sequence  
234 <220> FEATURE:  
235 <223> OTHER INFORMATION: Description of Artificial Sequence:OLIGO  
236 <400> SEQUENCE: 27 106  
237 gccagttcga tgtcagagaa ttttaccttt ctcttttttg gaggagtgtc gttcttagcg 60  
238 atgttaatcg tgtccatggt ggtagtcaga gctcgagacg aattcc  
239 <210> SEQ ID NO 28  
240 <211> LENGTH: 50  
241 <212> TYPE: DNA  
242 <213> ORGANISM: Bacteriophage T7  
243 <220> FEATURE:  
244 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide

PAGE: 6

VERIFICATION SUMMARY  
PATENT APPLICATION US/08/978,636A

DATE: 09/06/1999  
TIME: 16:55:02

Input Set: H978636A.RAW

Line ? Error/Warning

Original Text